

## Sharpening the Axe

Taking the Time for Project Success

Troy Steege, Advocate Aurora Health | Annie Sit, Cannon Design Tony Coraggio, The Boldt Company | Megan Zak, HGA





#### Agenda



## Sharpening The Axe

- Cultivate People
- Build the Right Project,
   Build the Project Right

Lessons Learned

How Can You Apply?

**Together By The Numbers** 



Top 10
NOT-FOR-PROFIT

**HEALTH SYSTEM** 



**3,300+** EMPLOYED

**PHYSICIANS** 



4,800+
ALIGNED PHYSICIAN

**PARTNERS** 



27
HOSPITALS

500 OUTPATIENT

LOCATIONS



**70,000** EMPLOYEES



UNIQUE PATIENTS



Nearly \$2B

COMMUNITY BENEFITS IN 2016\*













- 12 hospitals
- Nearly **400** sites of care
- **37,000** associates
- 1,500 employed physicians, 3,500 physician partners
- More than 1.5 million unique patient visits

- \$692 million in community benefits
- \$5.6 billion in annual revenue
- Recognized for clinical excellence in cardiovascular, oncology, neurology, pediatrics and trauma care













- 15 hospitals
- **150** clinics
- **33,000** employees
- 1,800 employed physicians, 1,300 physician partners
- 1.2 million unique patient visits

- \$1,093 million in community benefits
- \$5.1 billion annual revenue
- Recognized for clinical excellence in cardiovascular, oncology, neurosciences, geriatrics, gynecology and primary care



**Together By The Numbers** 



**Top 10** NOT-FOR-PROFIT HEALTH SYSTEM



3,300+



4,800+





500



70,000



2.7<sub>M</sub>



Nearly \$2B

# Salon nordevenue













- 12 hospitals
- Nearly **400** sites of care
- **37.000** associates
- 1,500 employed physicians, **3,500** physician partners
- More than **1.5 million** unique patient visits

- \$692 million in community
- \$5.6 billion in annual revenue
- Recognized for clinical excellence in cardiovascular,











- 15 hospitals
- 150 clinics
- **33,000** employees
- 1,800 employed physicians, **1,300** physician partners
- 1.2 million unique patient visits

- \$1,093 million in community
- \$5.1 billion annual revenue
- Recognized for clinical geriatrics, gynecology and primary care



**Together By The Numbers** 



Top 10
NOT-FOR-PROFIT

HEALTH SYSTEM



3,300+

EMPLOYED PHYSICIANS



4,800+

ALIGNED PHYSICIA PARTNERS



27

PITALS



500

OUTPATIENT LOCATIONS



70,000

UNIQUE

2.7<sub>M</sub>



Nearly \$2B

COMMUNITY
RENEEITS IN 2016

# FAdvocation Sites Of Care





















- 12 hospitals
- Nearly **400** sites of care
- **37.000** associates
- 1,500 employed physicians, 3,500 physician partners
- More than 1.5 million unique patient visits

- **\$692 million** in community benefits
- \$5.6 billion in annual revenue
- Recognized for clinical excellence in cardiovascular, oncology, neurology, pediatrics

- 15 hospitals
- 150 clinics
- **33,000** employees
- 1,800 employed physicians, 1,300 physician partners
- 1.2 million unique patient visits

- \$1,093 million in community benefits
- \$5.1 billion annual revenue
- Recognized for clinical excellence in cardiovascular oncology, neurosciences, geriatrics, gynecology and primary care



**Together By The Numbers** 



Top 10
NOT-FOR-PROFIT

**HEALTH SYSTEM** 



3,300+



4,800+



TALS



500

7

EMP



70,000

UNIQUE PATIENTS

2.7<sub>M</sub>



Nearly \$2B

COMMUNITY
RENEFITS IN 2016\*

# 3 milion patient visits





















- 12 hospitals
- Nearly **400** sites of care
- **37,000** associates
- 1,500 employed physicians, 3,500 physician partners
- More than 1.5 million unique patient visits

- **\$692 million** in community benefits
- \$5.6 billion in annual revenue
- Recognized for clinical excellence in cardiovascular, oncology, neurology, pediatrics and trauma care

- 15 hospitals
- 150 clinics
- **33,000** employees
- 1,800 employed physicians, 1,300 physician partners
- 1.2 million unique patient visits

- \$1,093 million in community benefits
- \$5.1 billion annual revenue
- Recognized for clinical excellence in cardiovascula oncology, neurosciences, geriatrics, gynecology and primary care



**Together By The Numbers** 



**Top 10** NOT-FOR-PROFIT HEALTH SYSTEM



3,300+



4,800+





500





2.7<sub>M</sub>





Nearly \$2B

# preferred partner program













- 12 hospitals
- Nearly **400** sites of care
- **37.000** associates
- 1,500 employed physicians, 3,500 physician partners
- More than **1.5 million** unique patient visits

- \$692 million in community
- \$5.6 billion in annual revenue
- Recognized for clinical excellence in cardiovascular,











- 15 hospitals
- 150 clinics
- **33,000** employees
- 1,800 employed physicians, **1,300** physician partners
- 1.2 million unique patient visits

- \$1,093 million in community
- \$5.1 billion annual revenue
- Recognized for clinical geriatrics, gynecology and primary care



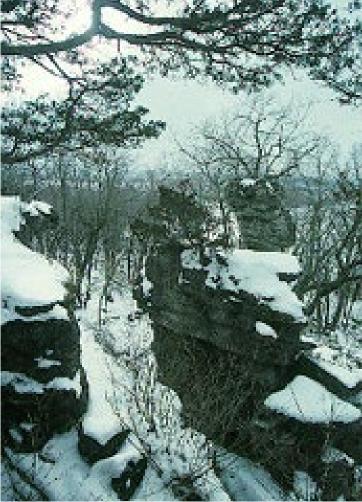




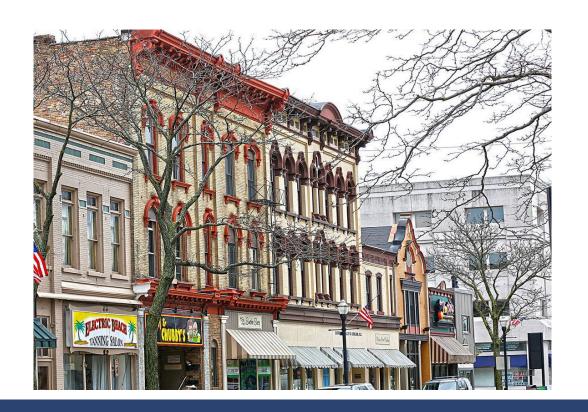








































## Aurora Medical Center Fond du Lac











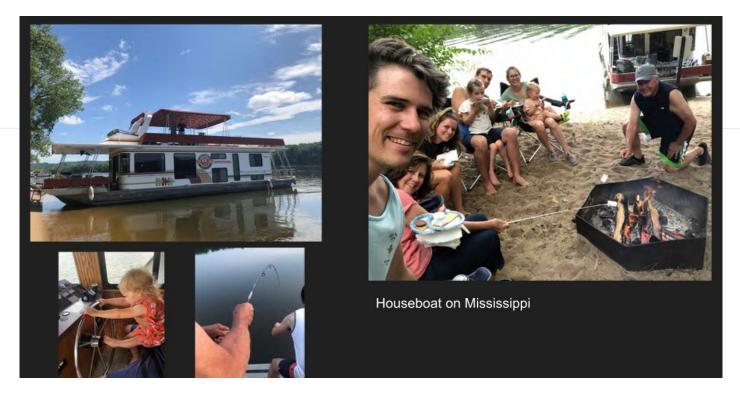
## Sharpen the Axe – Cultivate People





CESS







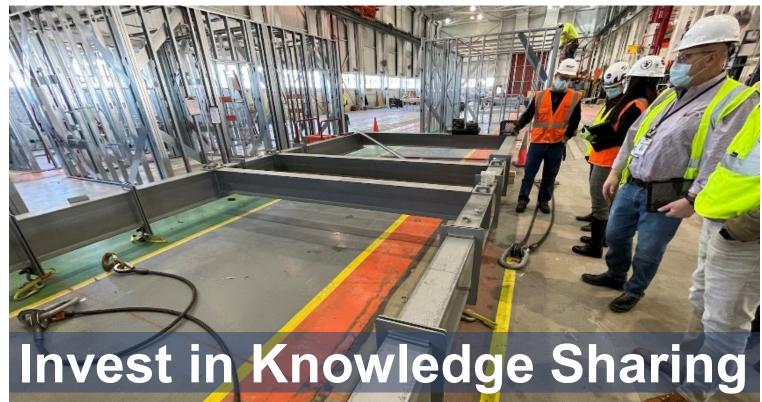


















**Zero Preventable Incidents** 







**Zero Change Orders** 





**Zero Change Orders** 



100% ILPD





**Zero Change Orders** 



100% ILPD



**40% Prefabrication** 



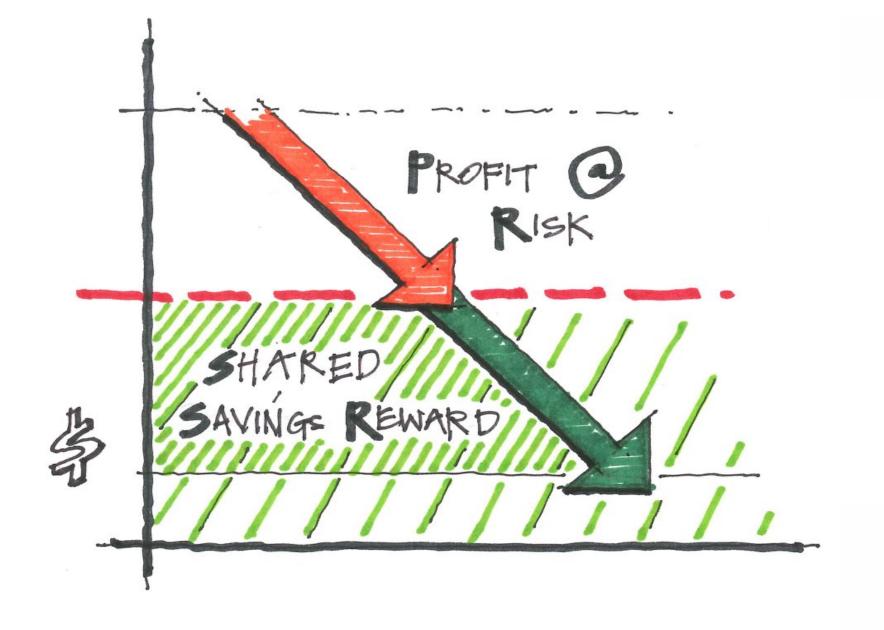


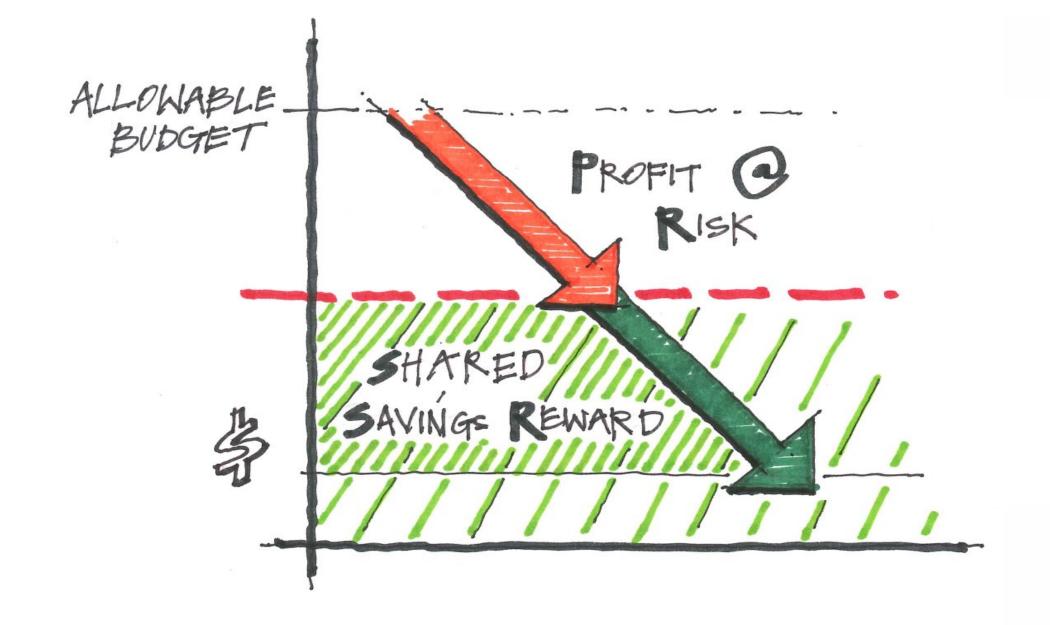


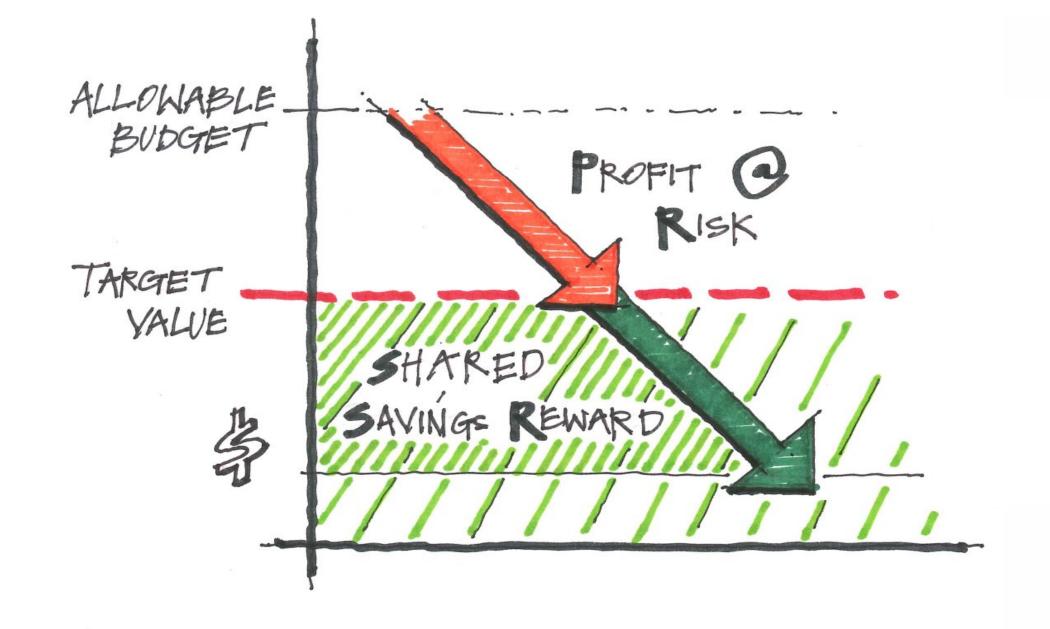
100% Healthy Spaces Roadmap

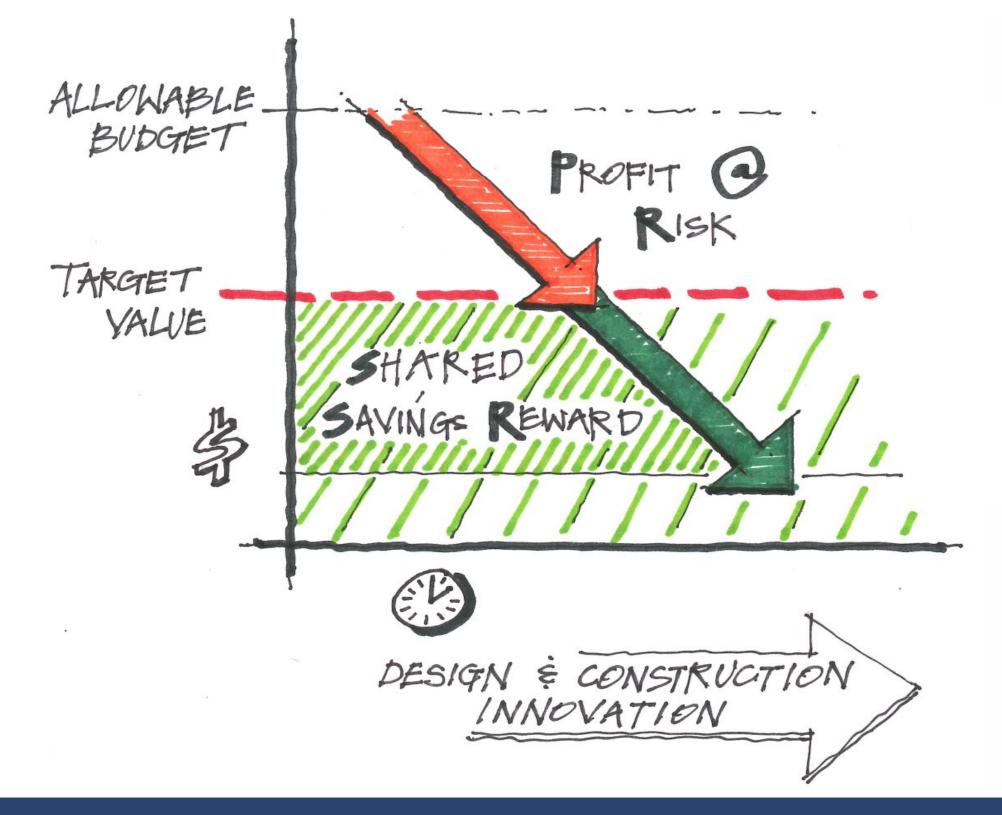
# Integrated Form Of Agreement (IFOA)

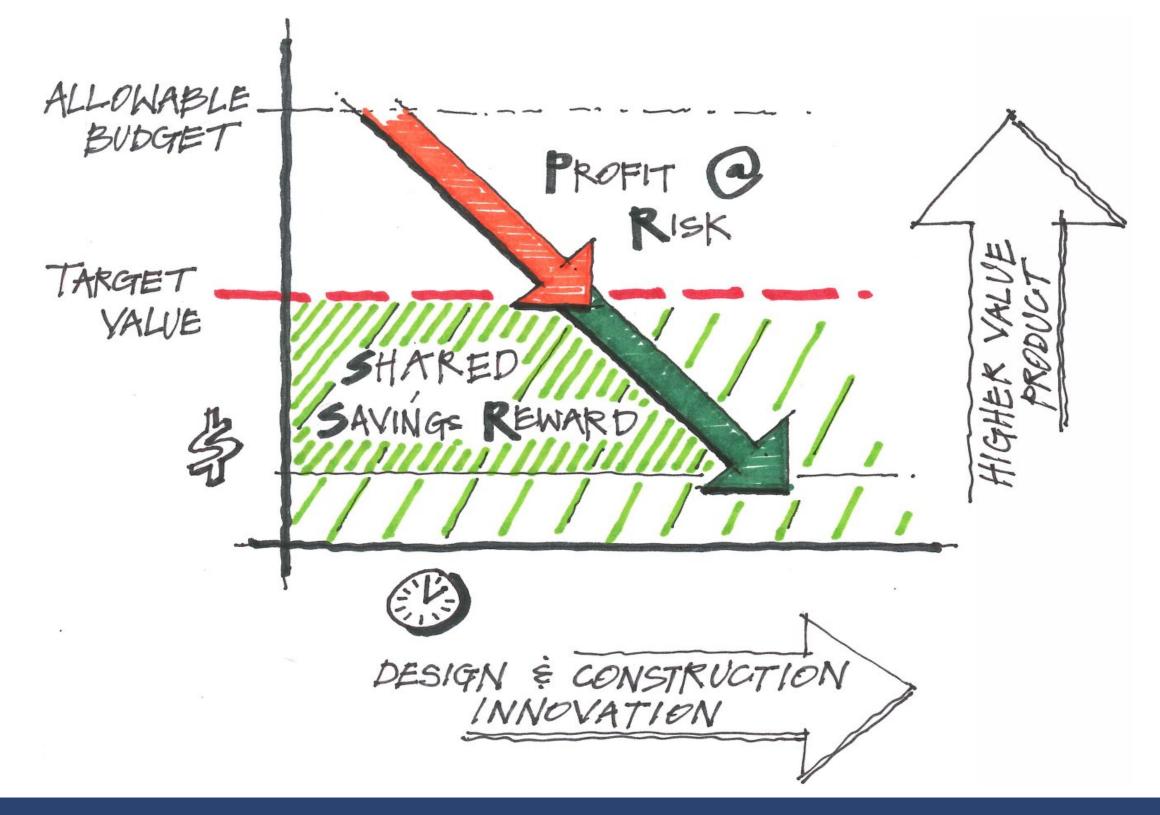
PROFIT (3)









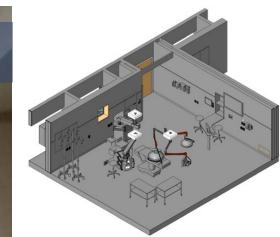




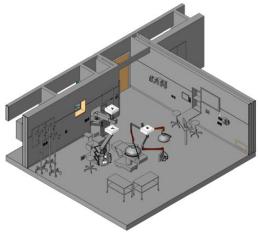


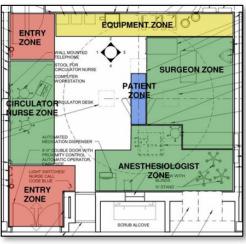




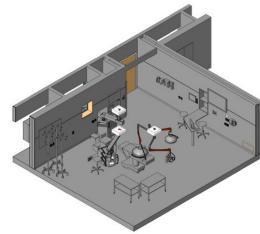


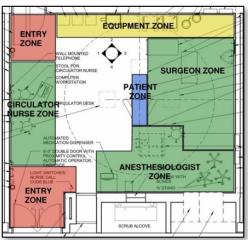


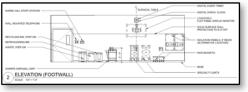


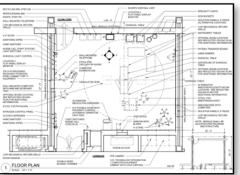




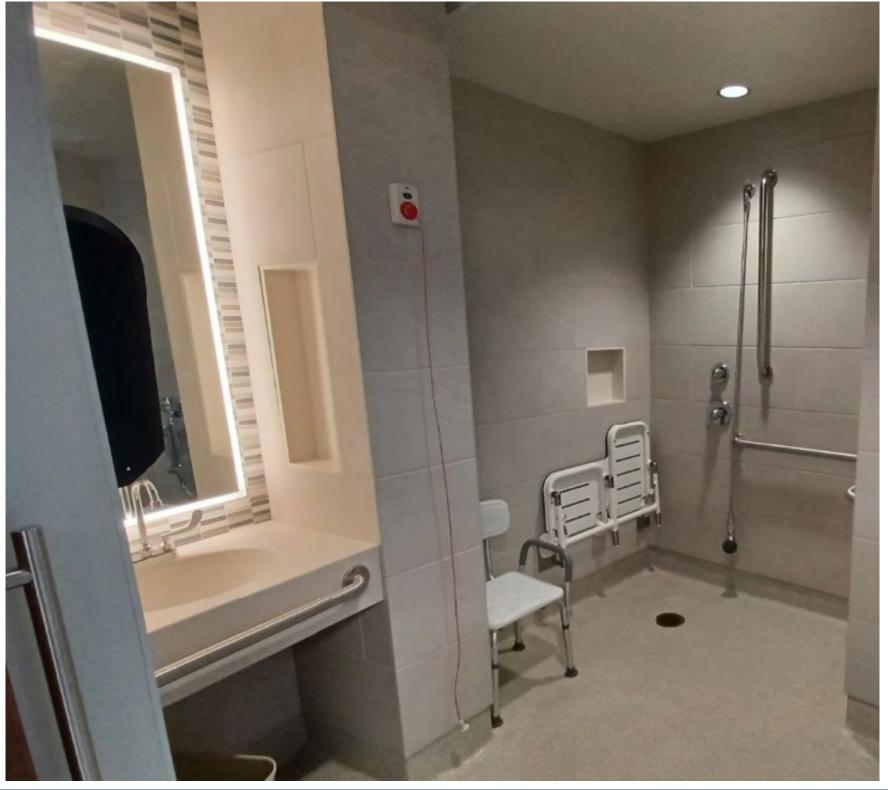




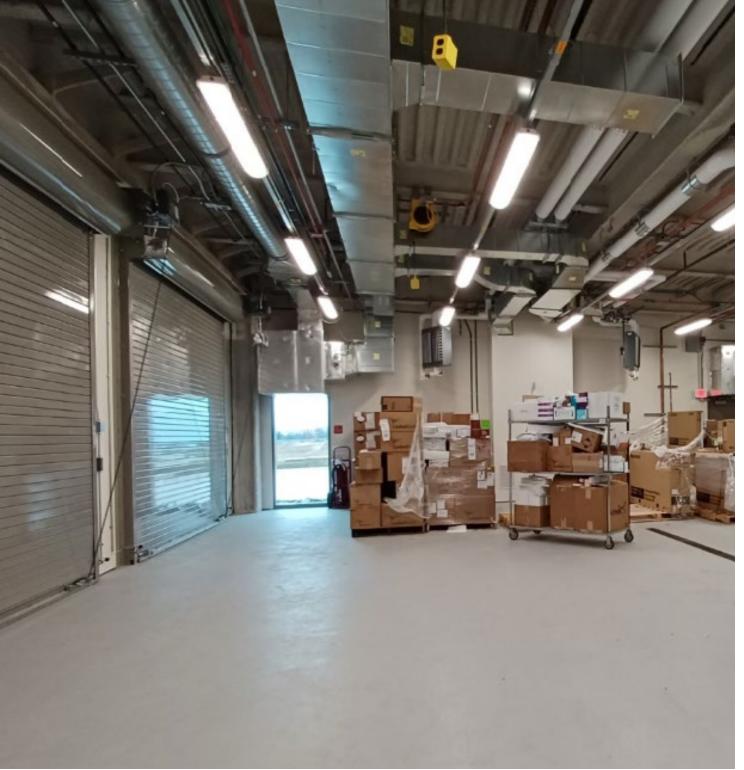












# Prefabrication and Modular Construction

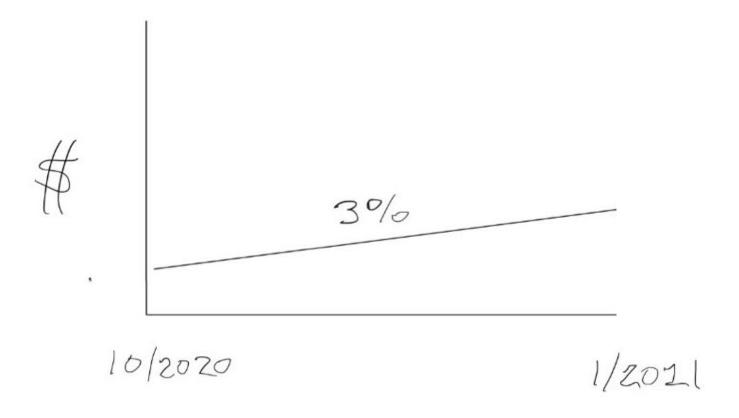






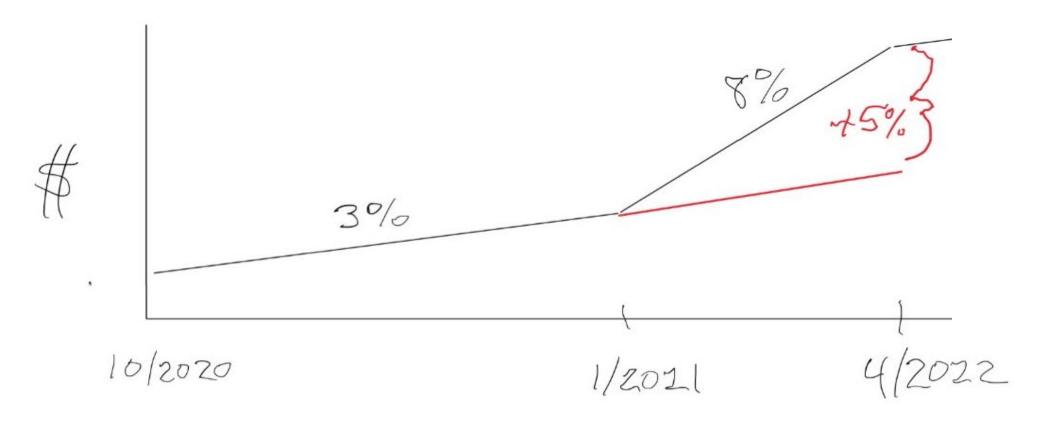


# Hyper-escalation



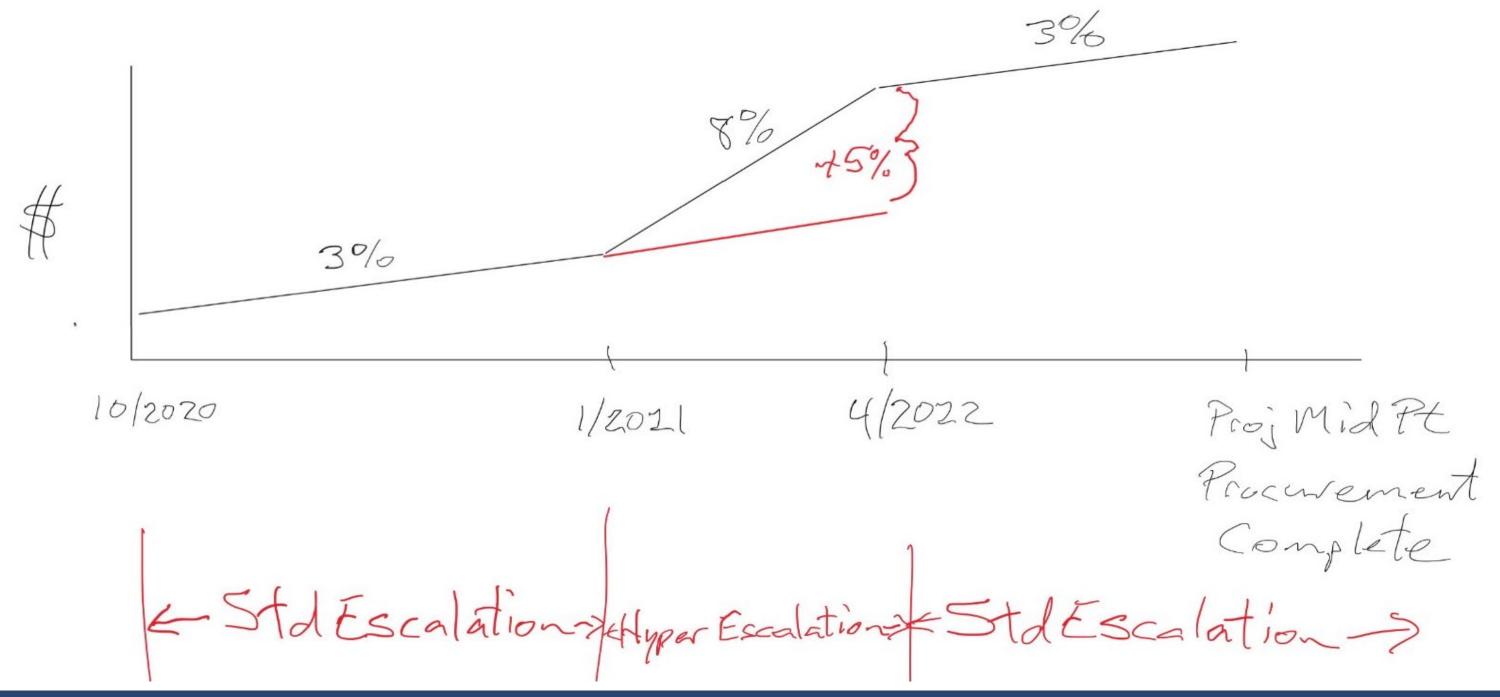
K-Std Escalation

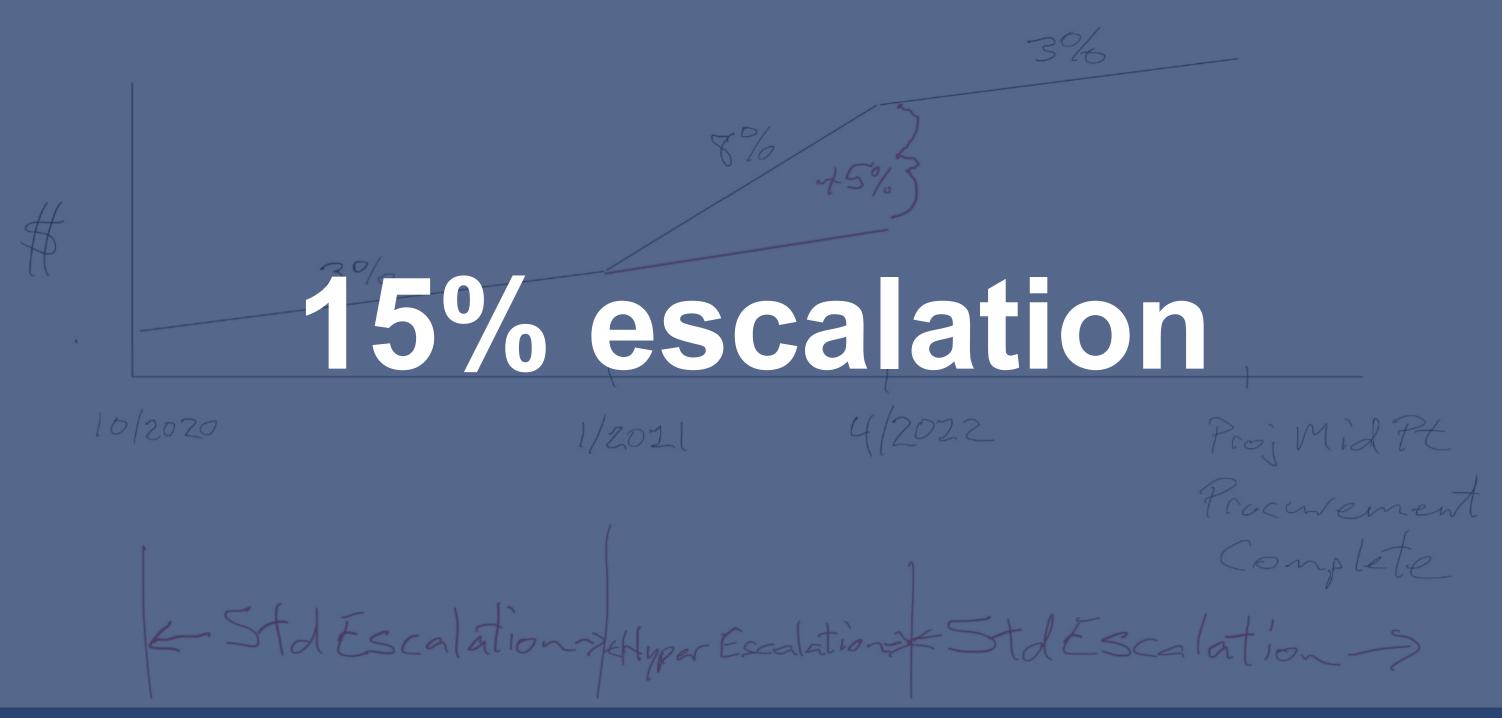
### Hyper-escalation



E-Std Escalation > Escalation

### **Hyper-escalation**







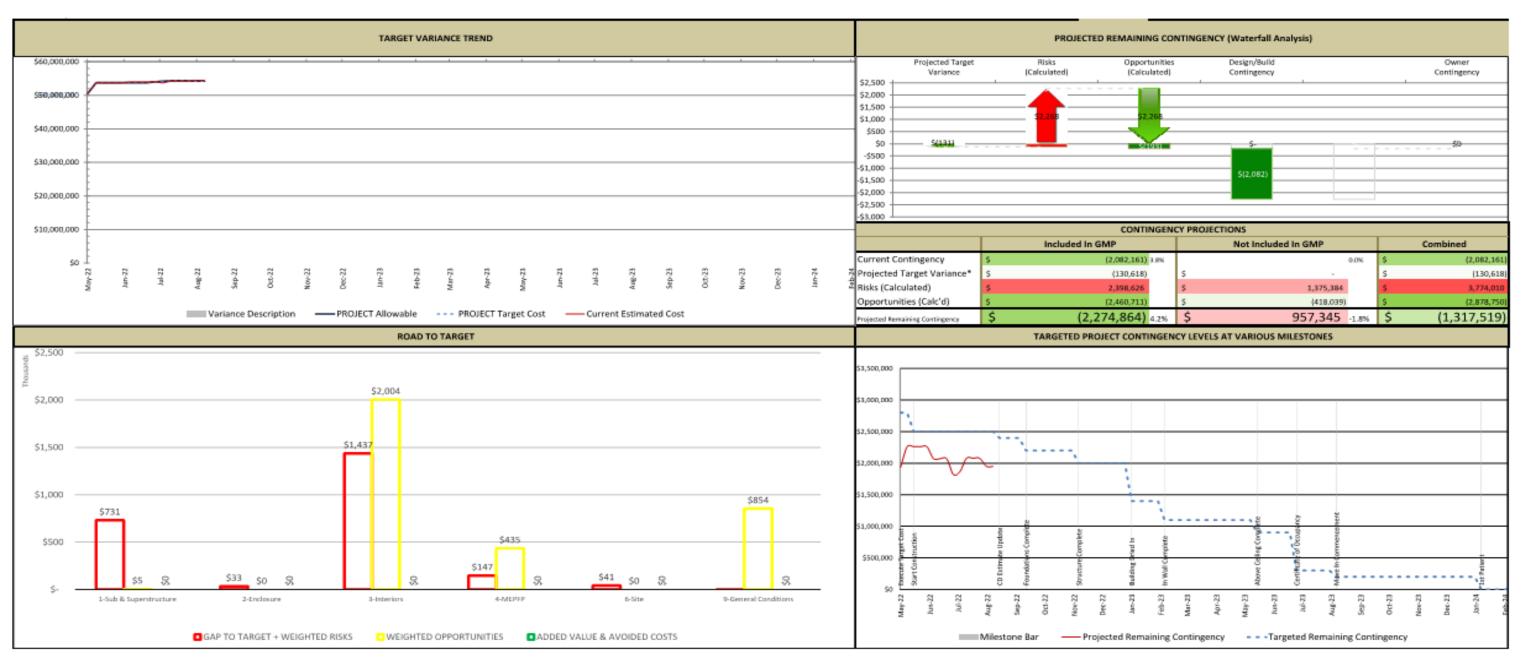








#### Measurable Tool



#### **Understand Each Other**







# Sharpen the Axe | Build the Right Project, Build the Project Right





Project True North
Be the Destination of Choice for Community



Landing the Project

30,000 feet Master plan

20,000 feet

10,000 feet

Floor Plan



14 Prep Recovery Department location blocks Front / Back Flows **Program Verification** New / Renovation

Walls / Rooms Corridors Mechanicals

Codes / Operations CMS IP / OP Rules

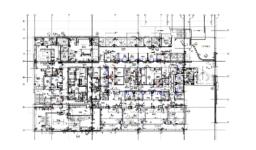
Equipment **Furnishing** Lighting Interiors Cost Buckets

100 feet Build

**Interiors** 

**Details** Equipment Vendors **Buy-outs Activation Prep** 





Hospital of the Future

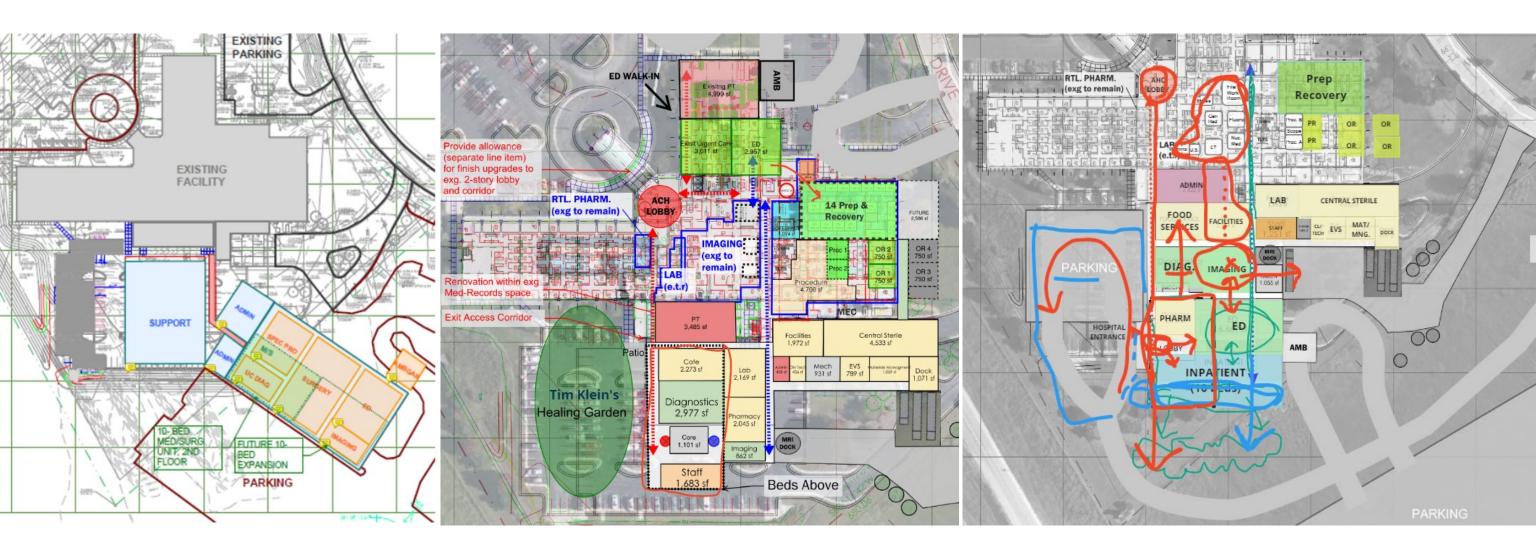
Virtual Roundtable with Beacon Health & OhioHealth

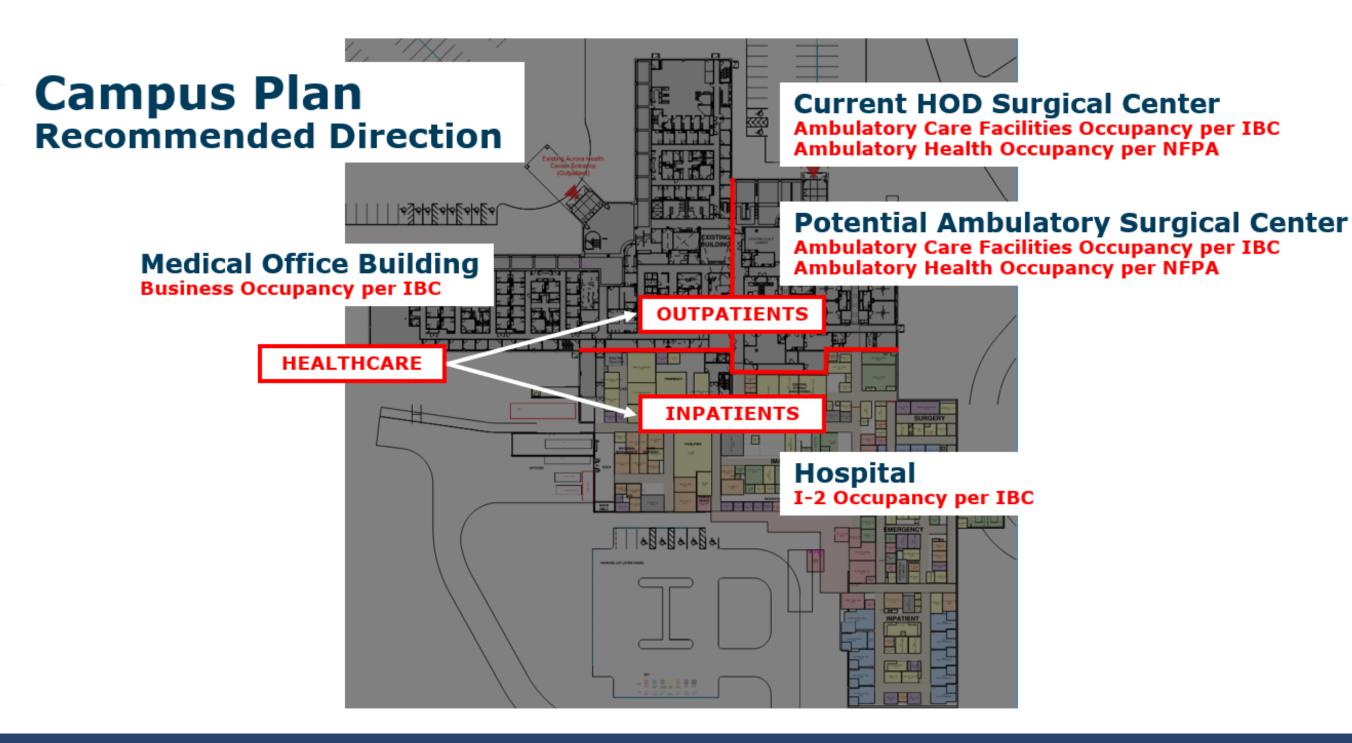
Gemba Walk

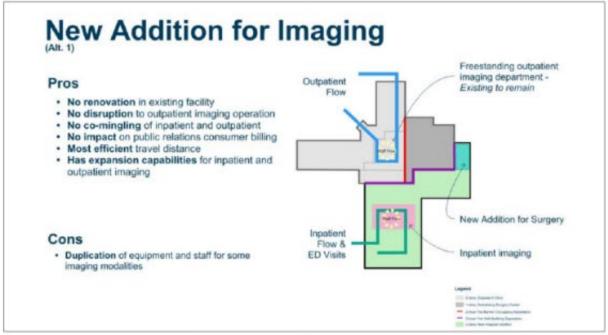
**Master Planning** Concepts & Operational Planning

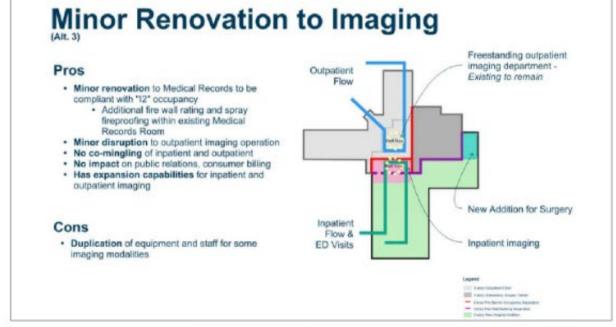
♣ SAdvocateAuroraHealth

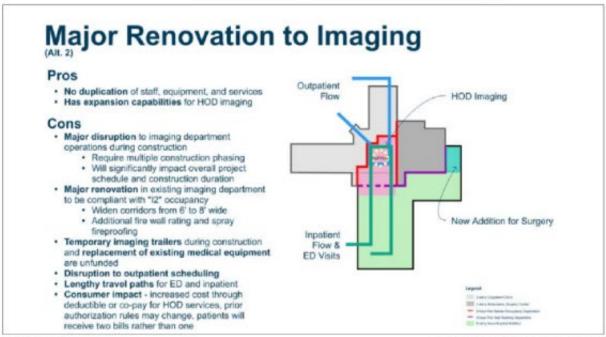
#### On Day 1 **Must Have** Nice to Have Plan for Relocate Relocate Existing Healing Boiler, Med. Morgue Mechanical Space location in (Generator, Vac Pump Garden Transformer, Mechanical future growth Chiller) Space Morgue/ Oncology Renovate Body Pre-op/ PACU Infusion Holding to AAH Call coroners office to get county Bays Standards Area Infusion Center Respiratory Therapy SPECT-MRI Radiology Blood Reading Bank Space Renovate MOB Helipad Space (Available HIM Broncho-Space) - Need to Confirm if Available scopy (neg Renovate Lower Priority to pressure take from Medical MOB Space procdure rm) (Admin. Conf) Food Services - Must Legend have Defined MEP Red = No Need to Define Food Services Infrastructure, Scope; Consumer Input to differentiate from St Agnes Yellow = Maybe Exhaust Hood, Equipment, Plumbing AdvocateAuroraHealth

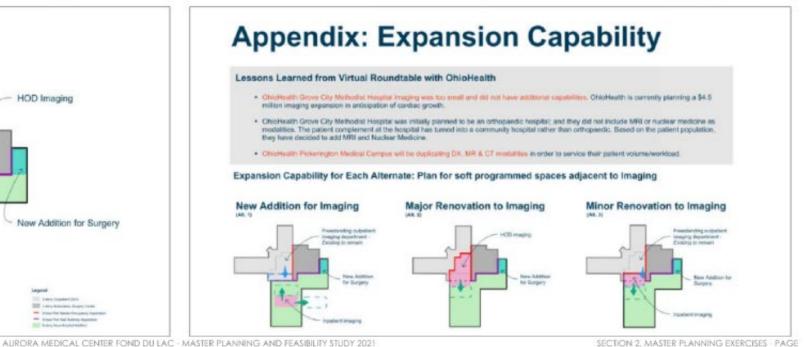






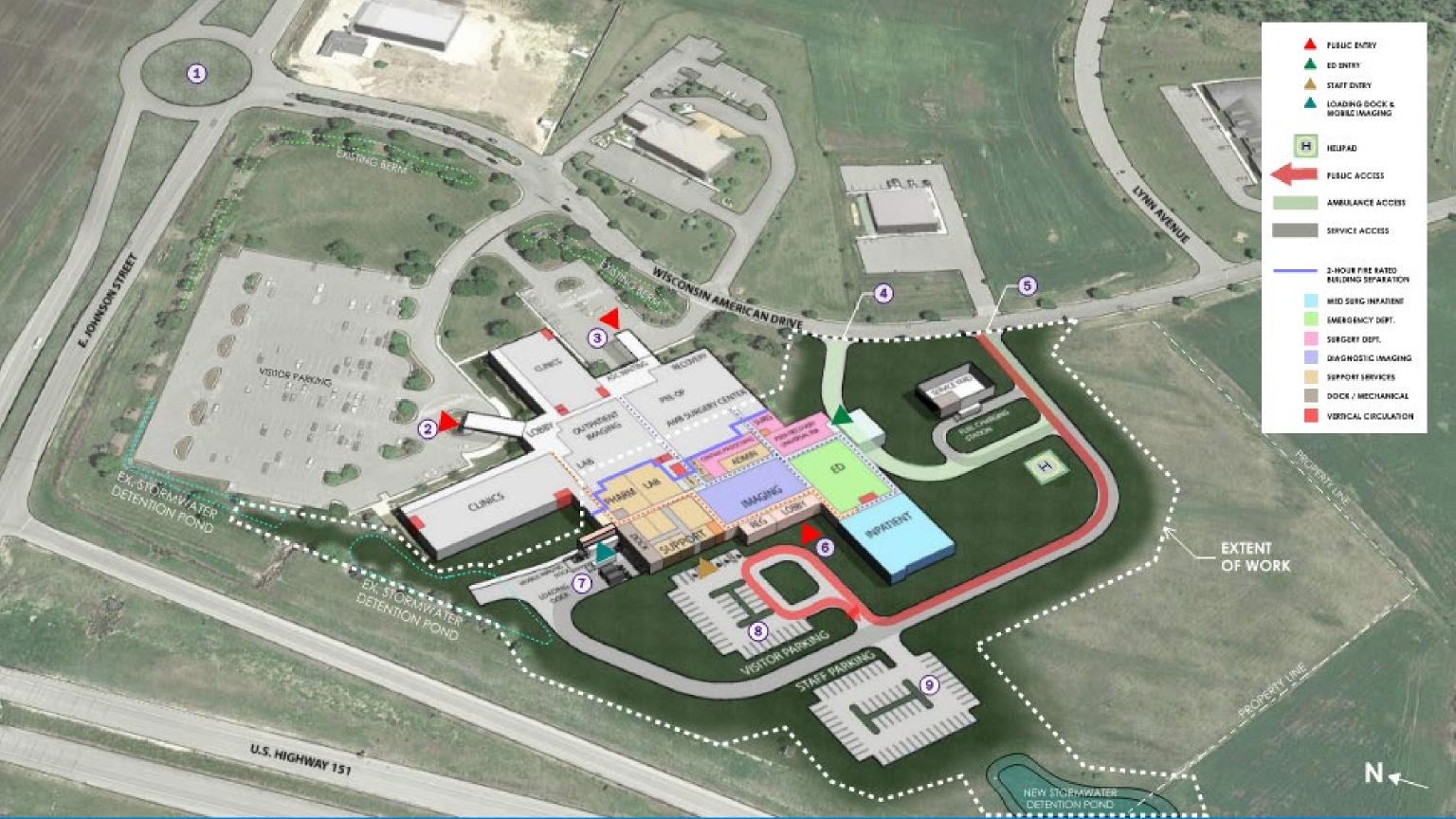




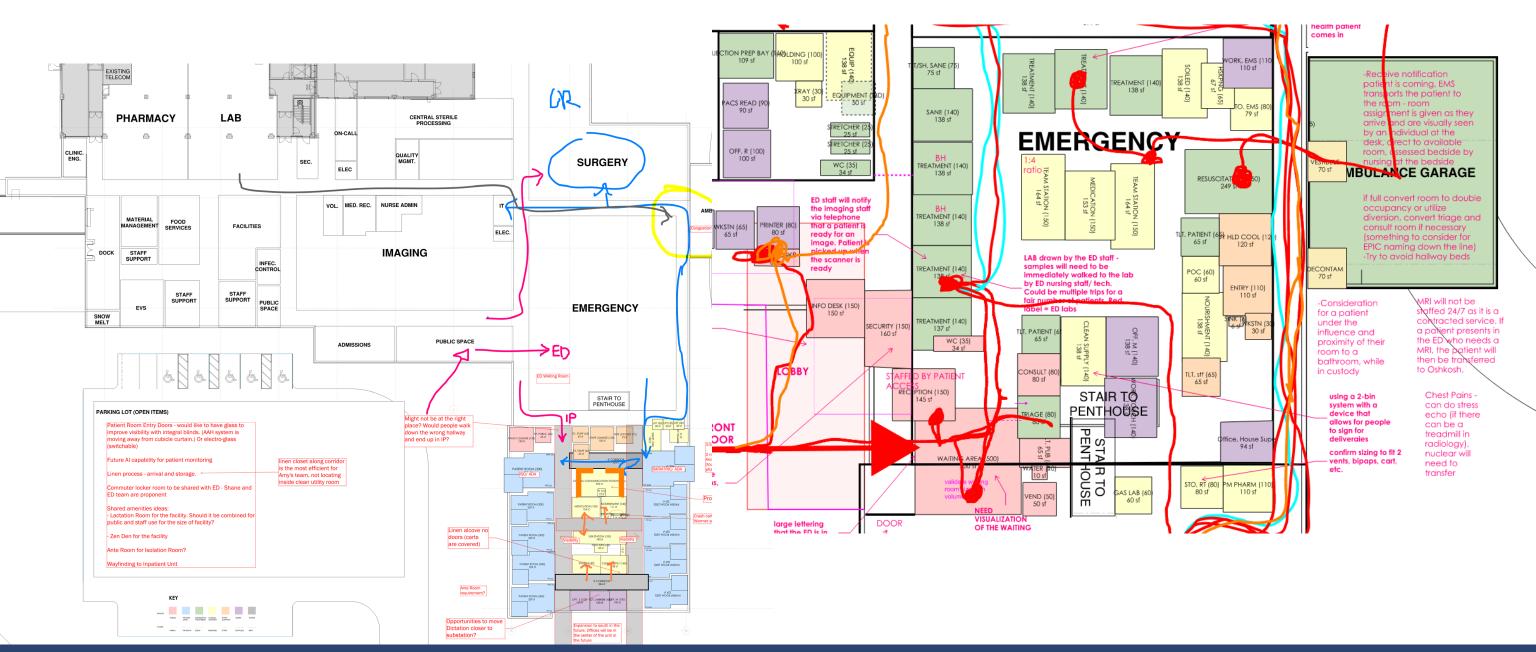


AUGUST 27, 2021

SECTION 2, MASTER PLANNING EXERCISES - PAGE



## Kaizen & 3P Rapid Testing of Ideas

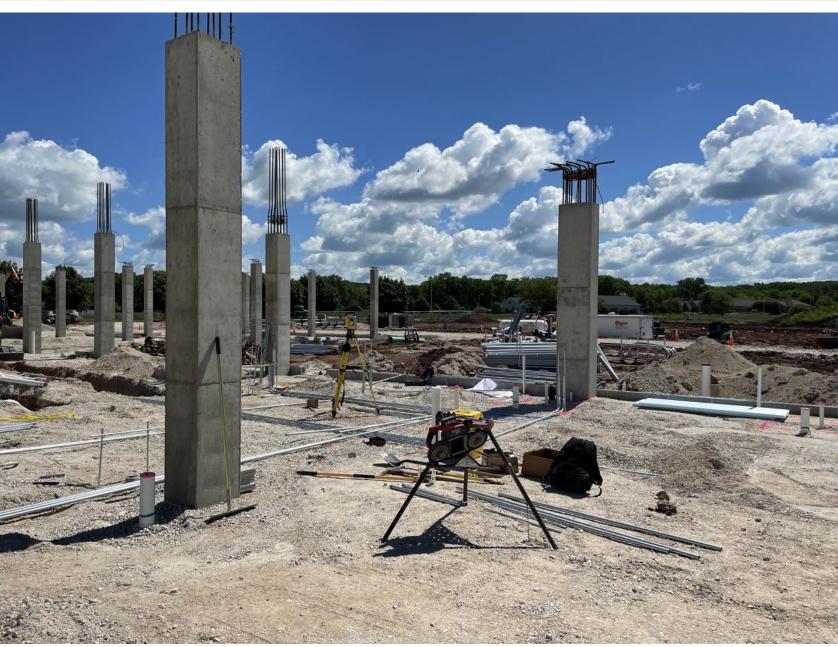


#### Collaboration and Innovation



#### Collaboration and Innovation





# Lessons Learned









# How can you apply?



#### 1. Go Slow to Go Fast

Ensure what we do is in the right direction

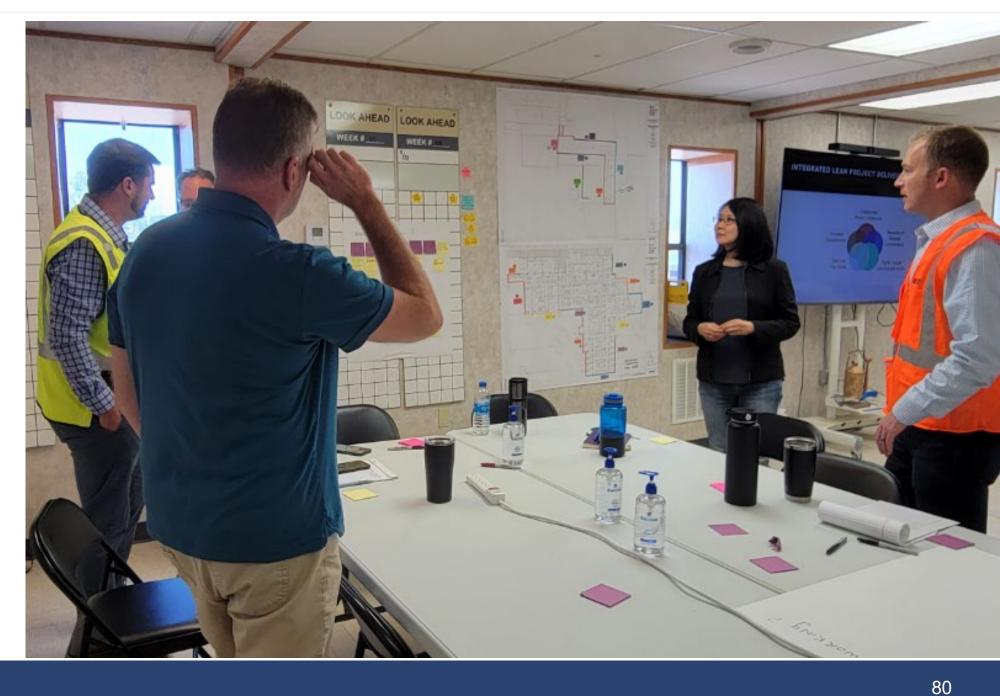


shutterstock.com · 1934945492

© LEAN CONSTRUCTION INSTITUTE

## 2. Define Value with Your Team

Get collective buy-in



© LEAN CONSTRUCTION INSTITUTE

## 3. Develop a Training Plan

Supports each phase of the project

AAH FDL - EDUCATION PLAN	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
	Program Validation - Operational Model & Space Requirements to Support the Model				Pesign Simulation - Size & Quantity or Rooms, Key Adjacencies, Enabling Work	
			Set Project Vision & Charter		A Boom Re	diliramanre
Lean Design			Vocab 8 Wastes Value Stream Mapping - 7 Flow of Healthcare			
			AAH Standards Review - Why and How they were set (Victoria & Cannon)			
DfMA		DfMA Worshops - Education & Goal Setting			DfMA WS#3 Tentative - develop modular/prefab strategy	
ILPD Processes	<del>Validation Alignment –</del> SAT for whitepaper			Project Goals Guilding Principles Governance Structure Drake P3	Target Value Design - Set Based Design & Design to Target Process	
				Touchplan training	Design Phase Planning	
				ILPD contract overview		Estimate Development & Process (Cost Model to Production Tracking)
Sustainability				Embodied Carbon		

© LEAN CONSTRUCTION INSTITUTE

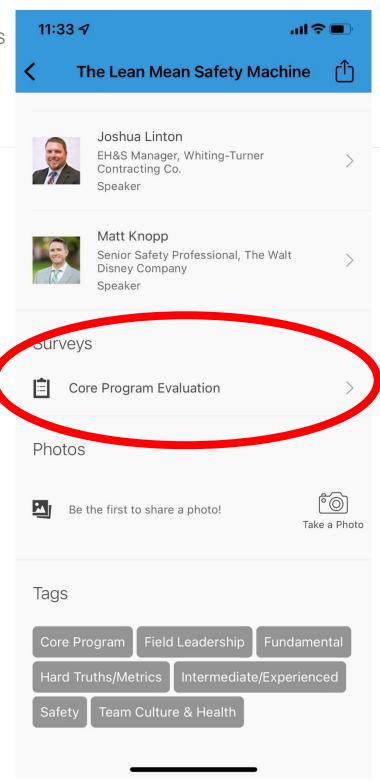


## Rate Presentations in the App

Continuous improvement: give presenters your feedback by taking the session evaluation!

- 1. Find the session under "schedule"
- 2. Click on it then scroll down
- 3. Click "core program evaluation"
- 4. Complete the 5-question evaluation

This information will determine the top 5 presentation teams and the top Live Lab





Overall, how valuable was this presentation to you?

Please select an answer:

1 - Not at all
2 - Slightly
3 - Moderately
4 - Very
5 - Highly

Next >





In the spirit of continuous improvement, we would like to remind you to complete this session's survey! We look forward to receiving your feedback.



#### Contact Us



Troy Steege
Advocate Aurora Health
troy.steege@aah.org



Annie Sit
CannonDesign
asit@cannondesign.com



Tony Coraggio
The Boldt Company
tony.coraggio@boldt.com



Megan Zak
HGA
mzak@hga.com



Thank you for attending this presentation. Enjoy the rest of the 24<sup>th</sup> Annual LCI Congress!

